2' Um:

Each

Job Number This Issue Prsht Rev. **Additional Product**

Tuesday, 22/04/2008 9:29:04 AM

Jean Luc Menard

Process Sheet

Drawing Name

Part Number

Drawing Number

Project Number

Drawing Revision

Customer

: CU-DAR001 Dart Helicopters Services

: 38721

Estimate Number

: 13246

P.O. Number

: 22/04/2008

S.O. No. :

: NC : 11

First Issue **Previous Run**

: 38477

Written By

Checked & Approved By

Comment

FOR ENGINEERING USE ONLY

MACHINED PARTS

08-03-27 new issue

4

DD verified by:

Material

Due Date

: STOPPER

: D36953

: 29/04/2008

: N/A

: D3695 PROD PROTO

: PROTO 03.05.20

Job Number:

: Est Rev A

Seq. #:

1.0

Machine Or Operation:

M6061T6B2500X03500

Description: 6061-T6 Bar 2.5" x 3.5"

BAND SAW

Comment: Qty.:

0.3728 f(s)/Unit

Total: 0.7455 f(s)

6061-T6 Bar 2.5" x 3.5" BATCH: M102838

2.0

BAND SAW

Comment: Cut blank 4.25 " long

3.0

HAAS1

HAAS CNC VERTICAL MACHINING #1



Comment: HAAS CNC VERTICAL MACHINING #1

1- Mill as per Folio FA733 Rev:

& Dwg D3695 Rev. _

2-Deburr per dwg D3695

3-TAP FOR 3/8"-16 HELICOIL

4.0

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

5.0

QC8

SECOND CHECK

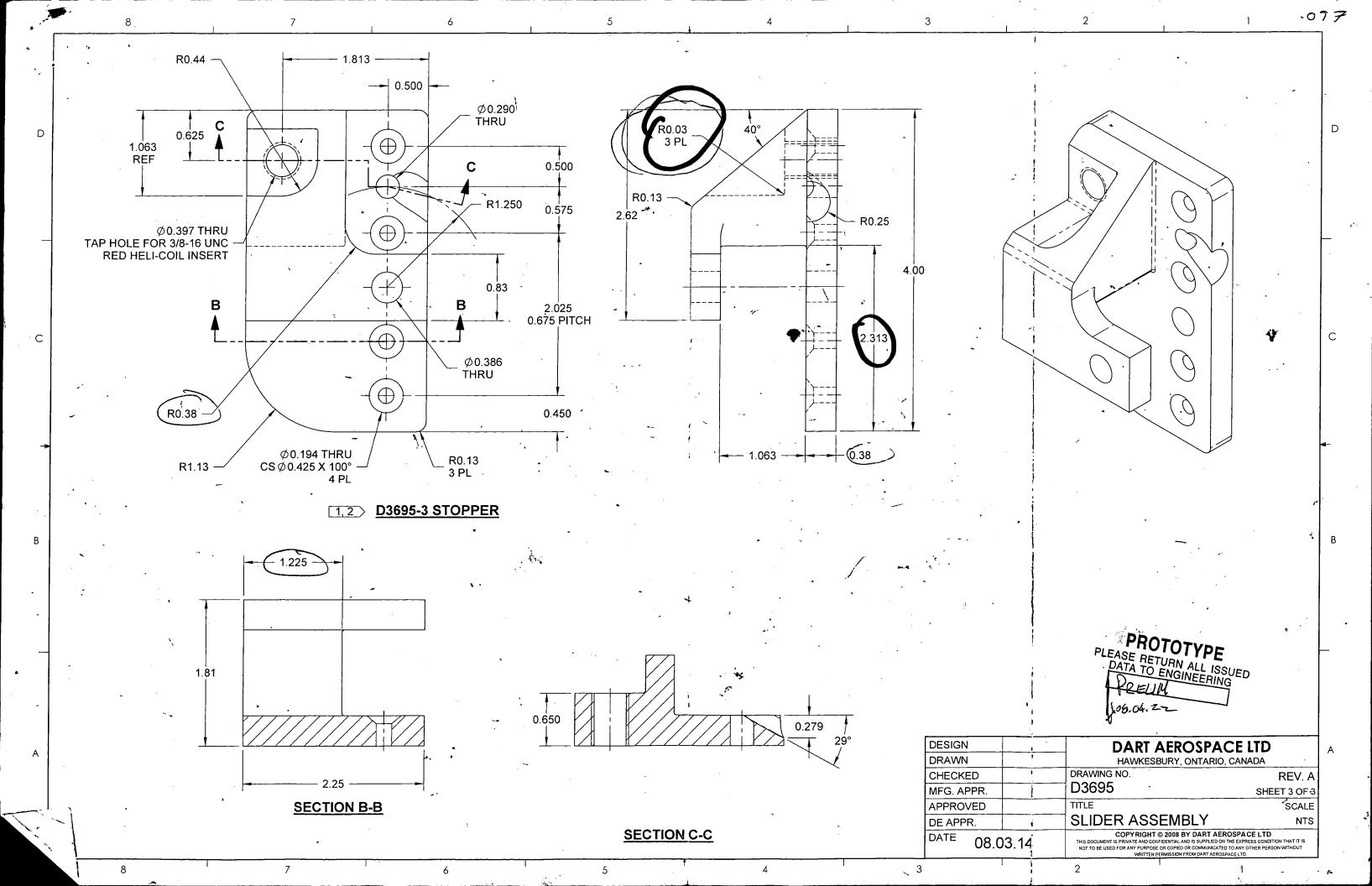
Comment: SECOND CHECK

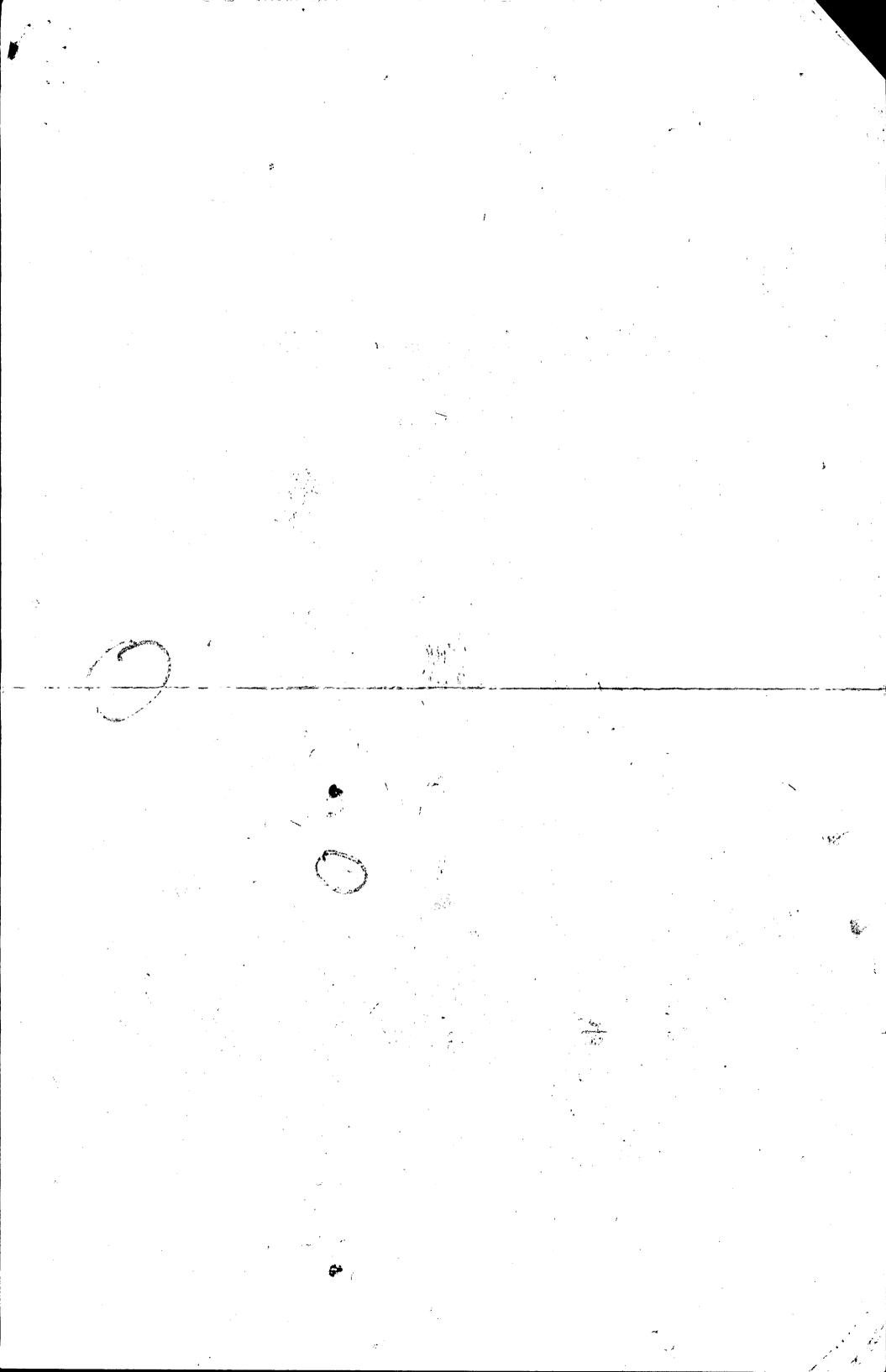
1.05.07

Page 1

Form: rprocess

	sday, 22/04/2008 9:29:04 AM			
User: / Jea	n-Luc Menard	Process Sheet		
Customer	CU-DAR001 Dart Helicopters Services	Drawing Name: STOPPER		1
				İ
Job Number:	38721	Part Number: D36953		1
Job Number:				
Seq. #:	Machine Or Operation:	Description :		
6.8	HAND FINISHING1	HAND FINISHING RESOURCE #1		1
Commo	ent: HAND FINISHING RESOURCE #1	. <i>QO</i>	201.05 AC	İ
70	Acid etch and Alodine as per QSI 005 4.		COS 7000	ł
7.0	CC3	INSPECT POWDER COAT/CHEMICAL CONVI		
		•		
Comme	ent: INSPECT POWDER COAT	m	08/25/09	ĺ
8.0	MS2128966-25-17521269F6-26	- Heli-goil	9007	
	12,0,0	Cpl 108-05-26		
		/ /		
Comme	ent: Qty.: 1.0000 Each(s)/Unit Total:	2.0000 Each(s)		
*	Heli Coil 177/08/38 .		FF .08-05-14	(2)
9.0	Batch: 77979 SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1	77 .00-03-19	
9.0		SWALL & MEDION I AD RESOURCE I		
•		•		
Comme	ent: SMALL & MEDIUM FAB RESOURCE 1			(
	Install helicoil as per dwg D3695	A. P. P. S. Priss Services	FF 08-05-14	
10.0		CURRENT STEP	# 184039 18180 17878 1882 1881	i
	[[[[[[[[[[[[[[[[[[[[PPROVAL		
Comme	nt: INSPECT WORK TO CURRENT STEP	Jan Jan Jan Jan Jan Jan Jan Jan Jan Jan		
11.0	PACKAGING 1	PÁCKAGING RESOURCE #1	.07.14	
11.5		Trigiological Acceptance (Acceptance Acceptance Accepta	188111 818 111 81 111 111	
Comme	nt: PACKAGING RESOURCE #1	*		
	Identify wiith Dart part # using a fine poin	t permanent marker and Stock	alu	
	Location:	`	D 140	
12.0	QC21	FINAL INSPECTION/W/O RELEASE	1000 Juli 1000 Juli 100 Juli 1	
i				k
Comme	nt: FINAL INSPECTION/W/O RELEASE		A08,06.04 PROTO	type
		5001		0,
Job Completion			E RECALL N	E
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1/109-05	aver	RELÉASED	DATE	
1/08-05	great powder countries per the controller controller controller holes.	clc. *	Phony of PHO	
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	threndeel holes.	,	TO O' / HUM	
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Page 2		,	Form process	





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Dimension 625 1.0631ef. 6.397 6.194 6.56425x166 6.386	Tolerance	First Artic	r	¬, `		·	
Dimension 625 1.0631ef. 6.397 6.194 6.56425x166 6.386	Tolerance	First Artic	r	¬, `			
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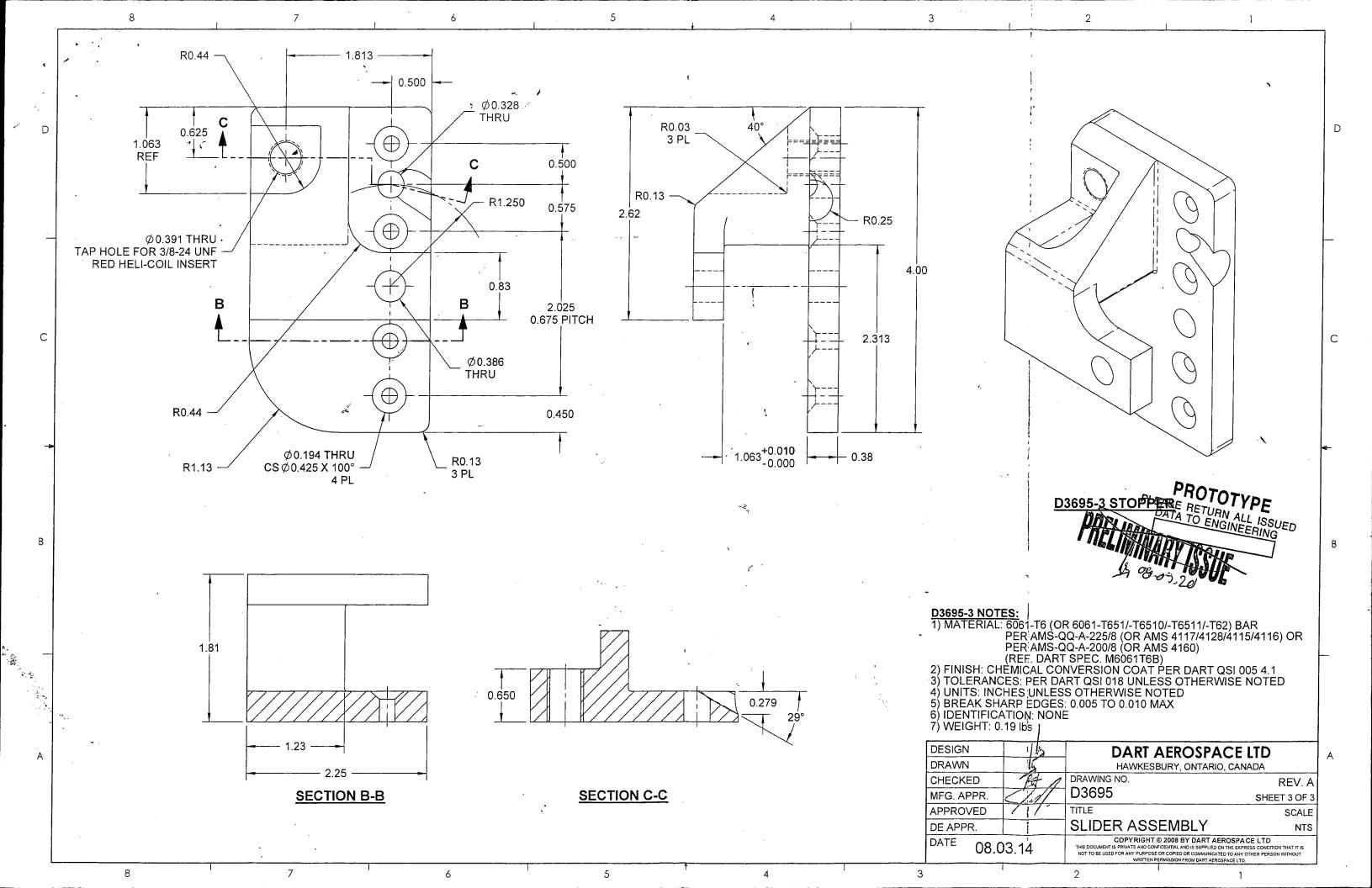
Measu	red by:	SD	Audited by:	Prototype Approval	:	4
7 / / ·	Date:	08/05/04	Date: 18.05.02	Date	خ :	8.05.12
1 ,		0010010				
Rev	Date	Change		Revise	d by	Approved
A		New Issue		KJ/JLM		
					.3.11	

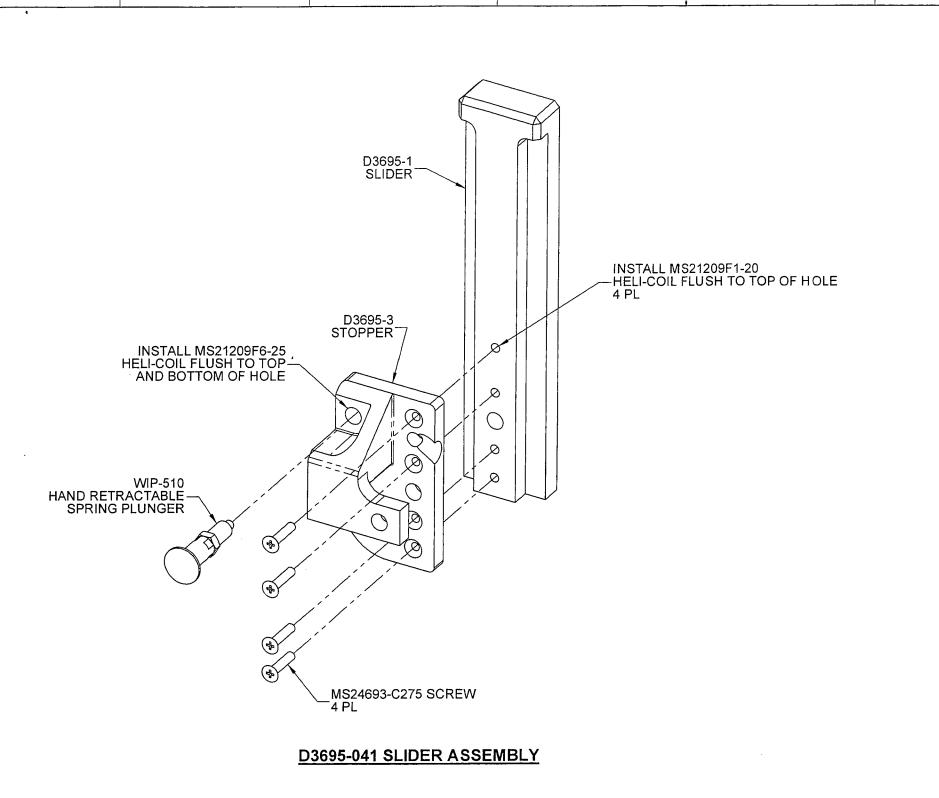
DART AEROS	PACE LTD			,	Work Order:	
				_	Part Number:	
Description:				-	Part Number.	
Inspection Dwg:	Rev:					Page 1 of 1
	FIRST	ARTICLE IN	SPECTION	ON CHE	CKLIST	
	х	First Artic	First Article Pi		type	
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
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-279	2.010	.280				
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Measured by:	20	Audited by:	4	Pr	ototype Approv	al:
Date: C	08/05/04	Date:)& 06.02		Da	te: 2% 06.07

			•	
Rev	Date	Change	Revised by	Approved
Α		New Issue	KJ/JLM	
		<u> </u>	· · · · · · · · · · · · · · · · · · ·	

Dart Ae	rospac	e Ltd						•	
W/O:			WC	ORK ORDER CHANGES			- 		***************************************
DATE	STEP	PROC	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
				1,7,1					
Part No	:	PAR #:	_ Fault Cateç	gory: No		No DQ			
NCR:		W	ORK ORDE	ER NON-CONFORMANC		·			
DATE	STEP	Description of NC Section A	Corrective Action Section B Action Description Chief Eng	Sign of Date	9	ication	Approval Chief Eng	Approval QC Inspector	
08.05-20 P	3.0 ART# (1)	Desirgn Change (EUG) 3/8-16 Now 3/8"-24 Helica	0507.20 G	delD TAPED Hole . Obj-T6 Rod Batch: MICT	£ 78 /			1	
ρι	30,#3	Section A Desirgn Change (EUG) 3/8-16 Now 3/8"-24 Helica 9.257" Hale Now 9.328. 1.063+1-010 Now 1.063+000	Mar D	Re-Machine To New Duy Dated 08-05-20.	16.75		Po-	35 5 FO	26-20-4
					į				

NOTE: Date & initial all entries





QTY P/N DESCRIPTION -041 X D3695-041 SLIDER ASSEMBLY SLIDER D3695-1 STOPPER D3695-3 4 MS21209F1-20 HELI-COIL, SCREW LOCKING (RED) 1 MS21209F6-25 HELI-COIL, SCREW LOCKING (RED) 4 MS24693-C275 SCREW (OR MS24693-S275) 1 WIP-510 HAND RETRACTABLE SPRING PLUNGER

С

2

Α	NEW IS	SUE		МВ	08.03.14		
REV.		1	DESCRIPTION	BY	DATE		
DESIGN	٧.	13	DART AEROSPA	CE L	TD		
DRAWN	1	1.	HAWKESBURY, ONTARK				
CHECK	CHECKED IN		DRAWING NO.		REV. A		
MFG. A	PPR.	[Lad]	D3695		SHEET 1 OF 3		
APPRO	VED	11	TITLE		SCALE		
DE APF	PR.		SLIDER ASSEMBLY		NTS		
DATE	08.0	03.14	COPYRIGHT © 2008 BY DART AS THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED IN NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATION	ON THE EXPRESS	S CONDITION THAT IT IS		

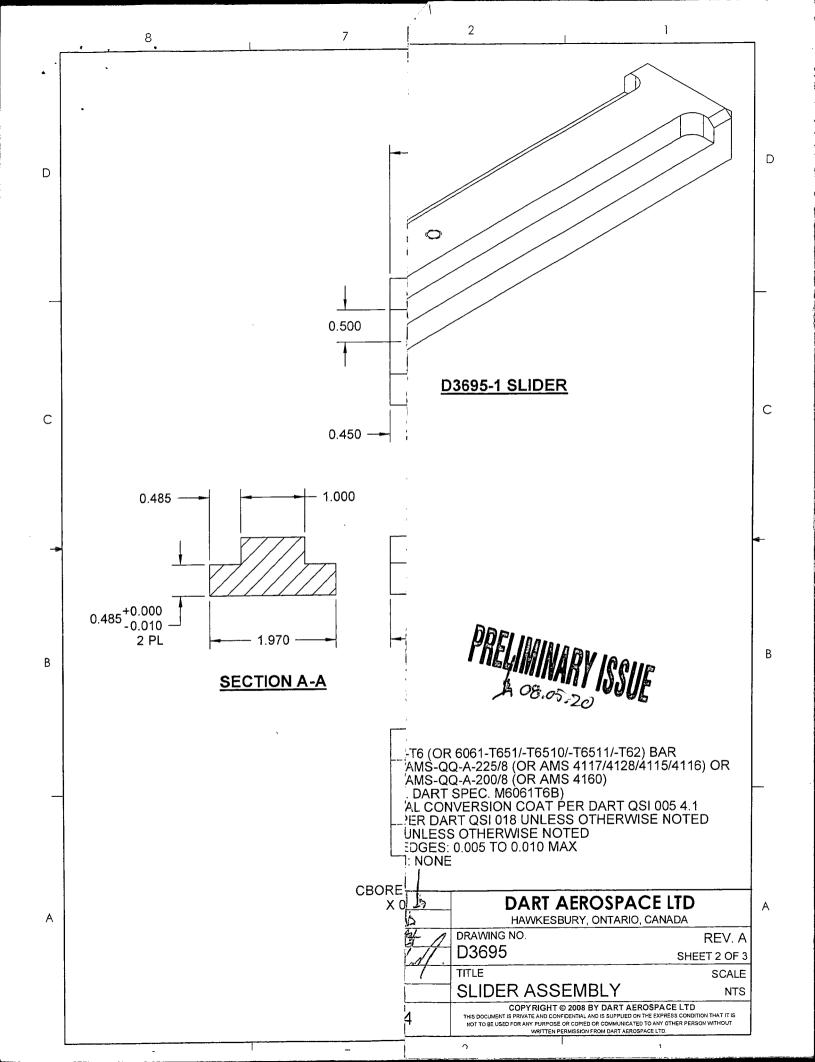
D3695-041 NOTES: 1) MATERIAL: NONE

2) FINISH: NONE

D

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A

6) IDENTIFICATION: NONE 7) WEIGHT: D3695-041 = 0.74 lbs



Dart Aerospace Ltd. Tuesday, 22/04/2008 9:29:04 AM Jean-Luc Menard **Process Sheet** : STOPPER **Drawing Name** : CU-DAR001 Dart Helicopters Services Customer -Job Number : 38721 : 13246 **Estimate Number** Part Number : D36953 P.O. Number D3695 PROD PROTO **Drawing Number** : 22/04/2008 S.O. No. : This Issue : N/A Project Number : NC Prsht Rev. : PROTO MACHINED PARTS **Drawing Revision** : 11 First Issue Material : 38477 Previous Run Qty: 2 Um: : 29/04/2008 **Due Date** Written By Checked & Approved By DD verified by: : Est Rev:A 08-03-27 new issue Comment **Additional Product** FOR ENGINEERING USE ONLY Job Number: Description: Machine Or Operation: Seq. #: 6061-T6 Bar 2.5" x 3.5" M6061T6B2500X03500 1.0 Total : 0.7455 f(s) Comment: Qty.: 0.3728 f(s)/Unit 7/0:2541 6061-T6 Bar 2.5" x 3.5" BATCH: M102839 BAND SAW BAND SAW 2.0 Comment: Cut blank 4.25 " long HAAS CNC VERTICAL MACHINING#1 HAAS1 3.0 Comment: HAAS CNC VERTICAL MACHINING #1 CERTIFICATE OF CONFORMIT REQ'D UPON DELIVERY 1- Mill as per Folio FA733 Rev: & Dwg D3695 Rev. 2-Deburr per dwg D3695 3-TAP FOR 3/8"-16 HELICOIL INSPECT PARTS AS THEY COME OFF MACHINE QC2

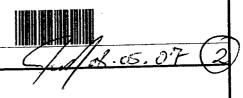
Comment: INSPECT PARTS AS THEY COME OFF MACHINE

5.0 QC8

SECOND CHECK



Comment: SECOND CHECK



Each

Receiving Report

		Packing Slip: Invoice: Receipt:	Yes No _ Yes No _ Cash Cr _	S No No No No					
	1	Discrepancies Part		Quantity	Quantity	Quantity	Quantity Short	Comme	nts
	•	Number	Description	Ordered	Received	Returned	Onor		
		m2024T35	080 sheet	64	96	0			
* *		·							
					- of receives	(if shipment	OK) Level	12	
		Production/A Date Received/Co Initial	<u> </u>			1	Locati	on $\underline{\mathcal{W}}$	<u> </u>
New		.875" HX X Heat # 2 ALUMINIM 20	00602835				65	.00 PCS	⊘ ∤- 65.0
	2	.080 X 48" :			C	1	432	.50 PCS	865.0
	1	FRT				~Y .		00 PCS	.0
	1	BKR						00 PCS	.0
	1	SKID CHARGE		sans films de			•	00 PCS	. 0
			Sub-Tota G.S.T.	ı					2800.0 168.0
_						1		; i	



SERVICE CENTER METALS 5850 Quality Way Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

BALL TO				603098
SHIP TO	MAMPEST NUMBER 21185 CUSTOMER PO	DIE HUMBER MR 80440	7/6/2008	ASTM-B221-04
	P60401CG009 CT	6061-T6511	Patty Schreiner	SAECIFICATION AMS-QQA-200/
We harehy earlies that the	CUSTOMER PART NUMBER MRB0440	DESCRIPTION MQR	8 2.500x3.500	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

SCM extrusions are manufactured in the USA from ingot melted and cast in the United States or Canada.

	603098	47
]	CERTIFICATION ASTM-B221-04a M	Q Stencil
	AMS-QQA-200/8	

N

Mechanical Properties

		. .	•			
Lot No.	<u>Test No.</u>	Test Date	<u>Ultimate Tensile</u>	Walter		
			Strength (KSI)	Yield Strength	Percent Elongation	
603098-47-1	1	07/05/06		(KSI)		
603098-47-1			51.3	47.6	17.4	
003030-47-1	2	07/05/06	52,1			•
				48.6	18.3	

Based on documentation furnished to us by the mill / supplier, we certify this material to be free of mercury contamination.

JUL 07 2006 anbeighornes

		MON JOL Y	Alloy 6061									
Min Max	<u>Si</u> 0.40	<u>Fo</u>	<u>Cu</u> 0.15	Mn	<u>Mg</u> 8.0	<u>Cr</u> 0.04	Zn	Ti.	B	Zr	OtherEach	OtherTotal
INIGX	8.0	0.7	0.40 .	0.15	1.2	0.35	0.25	0.15	1.		9. 05	0.15

Manager of Quality & Technical Services

